

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P00037242-P0	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/JP2004/019483	International filing date (day/month/year) 20/12/2004	(Earliest) Priority Date (day/month/year) 25/12/2003
Applicant MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/019483

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03J1/00 H03J9/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03J G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96/27968 A (PHILIPS ELECTRONICS N.V; PHILIPS NORDEN AB) 12 September 1996 (1996-09-12) page 4, line 27 - page 5, column 16; claim 10; figure 1 page 3, line 15 - line 19 page 3, line 30 - page 4, line 1	1-7
A	US 5 327 160 A (ASHER ET AL) 5 July 1994 (1994-07-05) claim 2	2,4,5
A	EP 0 763 893 A (EDICO S.R.L.) 19 March 1997 (1997-03-19)	
A	DE 44 00 668 A1 (DEUTSCHE THOMSON-BRANDT GMBH, 78048 VILLINGEN-SCHWENNINGEN, DE) 20 July 1995 (1995-07-20)	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

18 April 2005

Date of mailing of the international search report

29/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Peeters, M

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/019483

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9627968	A	12-09-1996	DE 69627945 D1 DE 69627945 T2 EP 0763299 A1 WO 9627968 A2 JP 9512979 T US 6822634 B1	12-06-2003 26-02-2004 19-03-1997 12-09-1996 22-12-1997 23-11-2004
US 5327160	A	05-07-1994	NONE	
EP 0763893	A	19-03-1997	IT 1241292 B EP 0763893 A1 DE 69133375 D1 DE 69133375 T2 EP 0486989 A1 ES 2216029 T3 DE 69128870 D1 DE 69128870 T2 ES 2113360 T3	29-12-1993 19-03-1997 15-04-2004 24-02-2005 27-05-1992 16-10-2004 12-03-1998 28-05-1998 01-05-1998
DE 4400668	A1	20-07-1995	NONE	